



Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 038602/1023		SERIAL NO. Unassigned		
<b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i>				APPLICANT KOUHARA et al.				
				FILING DATE 12/08/2000		GROUP ART UNIT Unassigned		
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
RH	A1	94/07913	04/94	WIPO	—	—		
RH	A2	95/09365	04/95	WIPO	—	—		
RH	A3	95/24426	09/95	WIPO	—	—		
RH	A4	96/18738	06/96	WIPO	—	—		
RH	A5	96/40115	12/96	WIPO	—	—		
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
RH	A6	ABE et al., "Molecular Characterization of a Novel Metabotropic Glutamate Receptor mGluR5 Coupled to Inositol Phosphate/Ca <sup>2+</sup> Signal," <i>J. Biol. Chem.</i> , Vol. 267(19):13361-13368. (1992)						
RH	A7	BATZER et al., "Hierarchy of Binding Sites For Grb2 and Shc on the epidermal Growth Factor Receptor", <i>Mol. Cell. Biol.</i> , Vol. 14:5192-5201, (1994)						
RH	A8	BELLUS et al., "A Recurrent Mutation In The Tyrosine Kinase Domain Of Fibroblast Growth Factor Receptor 3 Causes Hypochondroplasia", <i>Nature Genetics</i> , Vol. 10:357-359, (1995)						
RH	A9	BLAIE et al., "A Region In Shc Distinct From The SH2 Domain Can Bind Tyrosine-phosphorylated Growth Factor Receptor", <i>The Journal of Biological Chemistry</i> , Vol. 269(51):32031-32034, (1994)						
RH	A10	CLARK et al., "C. Elegans Cell-Signalling Gene Sem-5 Encodes A Protein With SH2 and SH3 Domains," <i>Nature</i> , Vol. 356:340-344, (1992)						
RH	A11	CURTO et al., "Novel Recruitment Of Shc, Grb2, and Sos By Fibroblast Growth Factor Receptor-1 In V-Src-Transformed Cells," <i>Biochemical And Biophysical Research Communications</i> , Vol. 243:555-560, (1998)						
RH	A12	DENG et al., "Murine FGFR-1 is Required For Early Postimplantation Growth and Axial Organization," <i>Genes &amp; Dev</i> , Vol. 8:3045-3057, (1994)						
RH	A13	DEVORE et al., "An FGF Receptor Signaling Pathway Is Required For The Normal Cell Migrations Of The Sex Myoblasts In C. Elegans Hermaphrodites," <i>Cell</i> , Vol. 83:611-620, (1995)						
RH	A14	DIKIC et al., "Shc Binding To Nerve Growth Factor Receptor Is Mediated By The Phosphotyrosine Interaction Domain," <i>J. Biol. Chem.</i> , Vol. 270:15125-15129, (1995)						
RH	A15	GUSTAFSON et al., "Phosphotyrosine-Dependent Interaction Of SHC And Insulin Receptor Substrate 1 With The NPEY Motif Of The Insulin Receptor Via A Novel Non-SH2 Domain," <i>Mol. Cell. Biol.</i> , Vol. 15:2500-2508, (1995)						
EXAMINER				DATE CONSIDERED				
				4/11/02				
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RH	A16	HONEGGER et al., "Point Mutation At The ATP Binding Site Of EGF Receptor Abolishes Protein-Tyrosine Kinase Activity And Alters Cellular Routing," <i>Cell</i> , Vol. 51:199-209, (1987)					
RH	A17	JABS et al., "Jackson-Weiss And Crouzon syndromes Are Allelic With Mutations In Fibroblast Growth Factor Receptor 2", <i>Nature Genetics</i> , Vol. 8:275-279, (1994)					
RH	A18	KLINT et al., "Shc And A Novel 89-kDa Component Couple To The Grb-2 Sos Complex In Fibroblast Growth Factor-2 Stimulated Cells", <i>Journal Of Biological Chemistry</i> , Vol. 270(40):23337-23344, (1996)					
RH	A19	LOWENSTEIN et al., "The SH2 and SH3 Domain-Containing Protein GRB2 Links Receptor Tyrosine Kinases To Ras Signaling," <i>Cell</i> , Vol. 70:431-442, (1992)					
RH	A20	MOHAMMADI et al., "Point Mutation In FGF Receptor Eliminates Phosphatidylinositol Hydrolysis Without Affecting Mitogenesis," <i>Nature</i> , Vol. 358:681-684, (1992)					
RH	A27	MUNKE et al., "A Common Mutation In The Fibroblast Growth Factor Receptor 1 Gene In Pfeiffer Syndrome," <i>Nature Genetics</i> , Vol. 8:269-274, (1994)					
RH	A22	NELSEN, "Detection Of Acridinium Esters By Chemiluminescence," <i>Nonisotopic DNA Probe Techniques</i> , ed. Larry J. Kricka, (San Diego: Academic Press, Inc.), pp. 275-310, (1992)					
RH	A23	PAWSON et al., "SH2 And SH3 Domains," <i>Current Biology</i> , Vol. 3(7):434-442, (1993)					
RH	A27	RESH, "Myristylation And Palmitoylation Of Src Family Members: The Fats Of The Matter," <i>Cell</i> , Vol. 76:411-413, (1994)					
RH	A25	Rozakis-Adcock et al., "Association Of The Shc And Grb2/Sem5 SH2-Containing Proteins Is Implicated In Activation Of The Ras Pathway By Tyrosine Kinases," <i>Nature</i> , Vol. 360:689-692, (1992)					
RH	A26	RUTLAND et al., "Identical Mutations In The FGFR2 Gene Cause Both Pfeiffer And Crouzon Syndrome Phenotypes," <i>Nature Genetics</i> , Vol. 9:173-176, (1995)					
RH	A27	SAMBROOK et al., <i>Molecular Cloning: A Laboratory Manual, 2nd Edition</i> , Cold Spring Harbor Laboratory Press, (1989), (TABLE OF CONTENTS)					
RH	A28	SCHLESSINGER, "SH2/SH3 Signaling Proteins," <i>Curr. Opin. Gen. Dev.</i> , Vol. 4:25-30, (1994)					
RH	A29	SCHLESSINGER et al., "Growth Factor Signaling By Receptor Tyrosine Kinases," <i>Neuron</i> , vol. 9:383-391, (1992)					
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RA	A30	SHIANG et al., "Mutations In The Transmembrane Domain Of FGFR3 Cause The most Common Genetic Form Of Dwarfism, Achondroplasia," <i>Cell</i> , Vol. 78:335-342, (1994)			
RA	A31	SKOLNIK et al., "The Function Of GRB2 In Linking The Insulin Receptor To Ras Signaling Pathways," <i>Science</i> , Vol. 260:1953-1955, (1993)			
RA	A32	SPIVAK-KROIZMAN et al., "Point Mutation In The Fibroblast Growth Factor Receptor Eliminates 269:14419-Phosphatidylinositol Hydrolysis Without Affecting Neuronal Differentiation of PC12 Cells," <i>J. Biol. Chem.</i> , Vol. 14423, (1994)			
RA	A33	SUN et al., "Structure Of The Insulin Receptor Substrate IRS-1 Defines A Unique Signal Transduction Protein," <i>Nature</i> , Vol. 352:73-77, (1991)			
RA	A34	TAVORMINA et al., "Another Mutation That Results In The Substitution Of An Unpaired Cysteine Residue In The Extracellular Domain Of FGFR3 In Thanatophoric Dysplasia Type I," <i>Hum. Mol. Genetics</i> , Vol. 4:2175-2177, (1995)			
RA	A35	VOJTEK et al., "Mammalian Ras Interacts Directly With The Serine/Threonine Kinase Raf," <i>Cell</i> , Vol. 74:205-214, (1993)			
RA	A36	WANG et al., "Broadly Expressed SNT-Like Proteins Link FGF Receptor Stimulation To Activators Of Ras," <i>Oncogene</i> , Vol. 13:721-729, (1996)			
RA	A37	WEBSTER et al., "Constitutive Activation Of Fibroblast Growth Factor Receptor 3 By The Transmembrane Domain Point Mutation Found In Achondroplasia," <i>EMBO</i> , Vol. 15:520-527, (1996)			
RA	A38	WHITE et al., "Mutation Of The Insulin Receptor At Tyrosine 960 Inhibits Signal Transmission But Does Not Affect Its Tyrosine Kinase Activity," <i>Cell</i> , Vol. 54:641-649, (1988)			
RA	A39	YAMAGUCHI et al., "FGFR-1 Is Required For Embryonic Growth And Mesodermal Patterning During Mouse Gastrulation," <i>Genes &amp; Dev.</i> , Vol. 8:3032-3044, (1994)			
RA	A40	DIETRICH, F.S., VAC8 Protein-Yeast ( <i>Saccharomyces Cerevisiae</i> ), Genbank Accession No: S50446 (1999)			
RA	A41	RAULF, F. Protein-Tyrosine Kinase (EC 2.7.1.112) 1-Freshwater Sponge ( <i>Spongilla Lacustris</i> ), Genbank Accession No: S24550 (2000)			
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